Page 1

Item ID: Revision ID:	D4025-1		<u>ida a da</u> baran da mandalari da	Accept					s	• 1	art		
Item Name:	Fuel Quantity Sender					:				Si	top		
Start Date: Required Date: Reference:		Qty: 5.00 Qty: 5.00				Cust Item Customer:		,		!			l
Approvals:	Process Plan: QC:	<u> </u>	Date:	Tooling: SPC (Y/N):			Pate:		R	1	art top		
Sequence ID/ Work Center II	Opera D Descri			Set Up/ Run Hours		Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty		eject umber	Insp. Stamp
Draw Nbr	Revision NI	or	,			···· ·			† · · · · ·	;			•
D4025	PAI	per drue	ju	0.00					 				* -
	T CE	•		0.00						1			
Purchasing		Memo	. 1200	0.00					;				5 k >
Purchasing		Part #: 224- Possible Su	ut as per Dwg D4025 265 pplier: Forsters Intruments ease note required	l	h	10-0	2.05			:			
110	Receive	& Inspect for D	amage & Mat'l Certs	0.00						9,			
Packaging Packaging		Memo		0.00					Pu	u/rj 13] [35	- (8 8	ン /

Work Order ID 55937 February 5, 2010 12:53:47 PM Item ID: D4025-1



Page 2

Accept

Setup | Start

Stop



Revision ID:

Item Name:

Fuel Quantity Sender

Start Date: 2/05/10 Required Date: 2/19/10

Start Qty: 5.00

Req'd Qty: 5.00

Cust Item ID: **Customer:**

> Start Run



Reference:

Approvals:

Process Plan:

Date: ____ Tooling:

0.00

Date: Date:

Stop

Sequence ID/ **Work Center ID**

Operation Description Set Up/ **Run Hours** Draw Number

Draw Plan Code Rev.

Accept Qty

Reject Qty |

Reject Insp. Number Stamp

120

QC6- Inspect dimensions to drawing

Date: SPC(Y/N):

Quality Control

not inspates

no changes From PA3 to Rev A Duy. Suloylez

Identify as per dwg & Stock Location:

130

140

Packaging

Packaging

Memo

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Quality Control

Picklist Print

February 5, 2010 12:53:46 PM

Work Order ID: 55937

D4025-1 . Parent Item:

Parent Item Name: Fuel Quantity Sender

Comments: IPP rev A 10.02.02 new issue Prelim EC verified by:DD **Start Date: 2/05/10**

Required Date: 2/19/10

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name

Replacement Mfg/ Item ID

Purch

Bin Primary Item Location

Last Location Route Seq ID

100

Unit of Measure Hand

Qty on Remaining

Qty Qty To Pick Issued

Date Issued

Status

224-265

Purchased

No

Each

0.0000

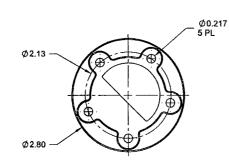
5.0000

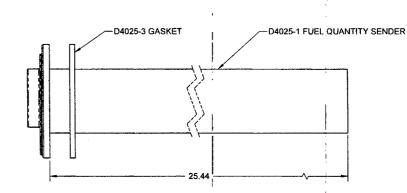


Fuel Sender

DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER VDO-M47-JCA D4025-1 D4025-3 N/A

SPECIFICATION CONTROL DRAWING





DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	LOWER RESISTANCE LIMIT	UPPER RESISTANCE LIMIT	MATERIAL
D4025-1	FUEL QUANTITY SENDER	VDO SIEMENS	224-265	FORSTER INSTRUMENTS	82.2 ± 1.8 OHMS	1.0 ± 0.4 OHMS	N/A
D4025-3	GASKET	VDO SIEMENS	226-053	FORSTER INSTRUMENTS	N/A	N/A	RUBBER

W 0 55937

RECIEVING INSPECTION REQUIREMENTS:

1) REMOVE TRANSPORT PIN AND INSPECT FOR VISUAL DAMAGE
2) OVERALL CYLINDER LENGTH - 25.44
3) HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE READING FOR LOWER LIMIT
4) ROTATE 180° AND MEASARUE RESISTANCE FOR UPPER LIMIT

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4025-X" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: D4025-1 - 0.38 lbs

D4025-3 - 0.01 lbs

PRELIMINARY ISSUE

10.02.05

PA3	NEW IS	SUE	!	85	10.02.05		
REV.	Ī		BY	BY DATE			
DESIG DRAW		AL	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA				
CHECK MFG. A		图	DRAWING NO. REV. I D4025 SHEET 1				
APPRO DE API		NP	TITLE FUEL SENDER				
DATE 10.02.05			COPYRIGHT © 2010 BY DART AEROSPACE LTD THE DOCUMENT IS PRIVATE AND COMPOSITION OF BY SPIRED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMBO RE COMMANDATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AS ROPPACE LTD.				

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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11323

Purchase Order Date 2/05/10 PO Print Date 2/05/10

Page Number 1 of 1

Order From:

VC-FOR002

FORSTER INSTRUMENTS 7141 EDWARDS BLVD MISSISSAUGA, ON L5S 1Z2 **CANADA**

Contact Name

Vendor Phone

905 795 0555

Vendor Fax

905 795 0570

Vendor Account Nbr

Buyer

Linda Lacelle

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency

FOB

Net 30 CAD

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line	Nbr Reference Revision ID	Description/ Mfg ID	Req Date/ Rec Taxable Unit of Me	q Qty/ easure	Ship Method	Unit Price	Extended Price
1	Vendor Part Number 224-265	Fuel Sender	2/19/10 Yes	5.00 Each		\$69.6900	\$348.4
		Special Inst:	PER DRWG D4025 REV.A	.			
2	226-053	Fuel Sender	2/05/10 Yes	5.00 Each		\$4.8600_	\$24.:

Special Inst:

PER DRWG D4025 REV.A

PO Total:

\$372.

CERTIFICATE OF CONFORMIT REQ'D UPON DELIVERY



No substitution or deviation without consent. Certificate of Conformity or Material

Certification required when applicable

Change Nbr:

Change Date: 2/05/10





FEBRUARY 24, 2010

DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON. K6A 1K7

CERTIFICATE OF COMPLIANCE

We hereby certify that this shipping lot of VDO PRODUCTS

Description	Part Number	<u>Quantities</u>
SENDER-FUEL GASKET, FUEL SENDER	224-265	5 Sulahy

Were produced in accordance with raw material, dimensional and Functional specifications as described on your purchase order NBR. P011323 DATED: FEBRUARY 24, 2010.

Yours truly

THERESA HEAL

TH/rmj



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11517

Purchase Order Date 3/16/10 PO Print Date 3/16/10

Page Number 1 of 1

Order From:

VC-FOR002

FORSTER INSTRUMENTS 7141 EDWARDS BLVD MISSISSAUGA, ON L5S 1Z2 **CANADA**

Contact Name

Vendor Phone

905 795 0555

Vendor Fax

905 795 0570

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 30 CAD

FOB

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1 55	937	FUEL SENDER D4025-1	3/22/10 Yes	5.00	FedEx PI ppd	\$20.0000	\$100.0

Special Inst:

RMA: R01905

PN: 224-265 SEND BACK TO HAVE

THEM TESTED FOR THE OHMS

PLEASE INCLUDE THE REPORT

PO Total:

\$100.0

CERTIFICATE OF CONFORMITY REO'D UPON DELIVERY



No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 3/16/10



7141 EDWARDS BLVD., MISSISSAUGA, ONTARIO L5S 1Z2 D-U-N-S 25-530-6649

PHONE (905) 795-0555 • FAX (905) 795-0570 TOLL FREE 1-800-661-2994 • TOLL FREE FAX 1-800-632-9943 Toll Free within Canada only

Automotive and Industrial Instruments, Controls and Equipment

A/C 9.74

Page:

DART AEROSPACE LTD. 1270 ABERDEEN STREET

s o

HAWKESBURY ON K6A 1K7 TERMS AND CONDITIONS

- net 30 days from date of invoice unless otherwise stated.

- pay from invoice, statements upon request only.

- all claims for shortage must be made within ten days after receipt of goods.

- all claims for damage must be made with the carrier.

- all goods F.O.B. our Mississauga warehouse.

- orders subject to a minimum invoice value of \$50.00. - goods cannot be returned without our Return Authorization Number.

- returned goods must be freight prepaid.

- any warranty expressed or implied is that of the manufacturer as stated in their literature

title of goods does not pass until goods are paid for in full.

- E. & O. E.

s Н

DART AEROSPACE LTD. Ρ

1270 ABERDEEN STREET

HAWKESBURY ON K6A 1K7

CUSTOMER	CUST. ORDER NO.	G.S.T. NUMBER ,	PROV. TAX NO.	S/M TYPE		PACKED BY	
DARAER ORDER DATE	CHANTEL DATE SHIPPED	R101272607	6122~52 OUR SALES ORDER NO.	07 SLOA SHIPPING REF. NO.	SHIP VIA		
18.03 LINE NO.	, 1.0 Quản, ship,	B/O PART NUMBER .	SO0579 DESCRIPTION	01	FED EX		
)02	5 5.	FED EX ACCT# Refer to RMA 0 224-265 Line 002 from RMA# R01905 : CERTIFY OHM*: AT A CHARGE CALL SENDERS TOLLOWING OHM FULL 1 + - 0.	R01905 SENDER.F M invoice: ISSUED MARC S OF \$20.00 E TESTED WITH	FUEL DIP 1093971 H 16/10 ACH.			CODE





March 18, 2010

DART AEROSPACE LIMITED 1270 ABERDEEN STREET HAWKESBURY, ON. K6A 1K7

CERTIFICATE OF COMPLIANCE

We hereby certify that this shipping lot of 5 VDO tube type fuel senders 224-265 on you purchase order PO11323, our packing slip S99981 tested within the following ohms range.

 $\frac{\text{EMPTY}}{82.2 \pm 1.8 \text{ OHMS}}$

<u>FULL</u> 1 + 0.4 OHMS

Yours truly

THERESA HEAL

8 wolos/24





March 18, 2010

DART AEROSPACE LIMITED 1270 ABERDEEN STREET HAWKESBURY, ON. K6A 1K7

CERTIFICATE OF COMPLIANCE

We hereby certify that this shipping lot of 5 VDO tube type fuel senders 224-265 on you purchase order PO11323, our packing slip S99981 tested within the following ohms range.

EMPTY 82.2 + 1.8 OHMS

Yours truly

THERESA HEAL

 $\frac{\text{FULL}}{1 \pm 0.4 \text{ OHMS}}$

EFERENCE ONLY

1-5

TU00-0772-5107120

No smoking!

11/04

duct and its components:

do not affect or hinder any functions of the vehicle or system.

No open fire or lights!

- are not damaged by any functions of the vehicle or system.
- Do not make drilled holes or installation openings in supporting or stabilising braces or struts!

Following installation of the product, please observe the following instructions:

- Connect the ground cable firmly to the minus pole of the battery.
- Enter / program the values of the volatile memories again.
- Check all (!) vehicle functions.
 - When measuring the voltages and currents in the vehicle, only use multimeters or diode testing lamps that are designed to be used for such measurements. The use of conventional testing lamps can cause damage to the control units or other electronic systems.

Special cases:

Please be extremely careful whenever you must perform any required work on the running motor. Wear suitable working clothes only, since risk of suffering injuries such as bruises or burns exists. If your hair is long, wear a hairnet

HEFERENCE ONLY

Standard-Tauchrohrgeber, Flanschlochkreis Ø 54 mm Standard Tubular Level Sensor, flange bolt circle dia. 54 mm

Sicherheitshinweise

Das Produkt wurde unter Beachtung der grundlegenden Sicherheitsanforderungen der EG-Richtlinien und dem anerkannten Stand der Technik entwickelt, gefertigt und geprüft.

Das Produkt ist nur für den Einsatz in erdgebundenen Fahrzeugen (ausgenommen Motorräder) oder stationären Anlagen zu verwenden.

Vor dem Einbau beachten:

- Für den Einbau sind Grundkenntnisse der Kfz-Elektrik und -Mechanik erforderlich, um Schäden zu vermeiden.
- Alle Daten von flüchtigen elektronischen Speichern notieren.
- Zündschlüssel vom Zündschloss abziehen. Danach den Minuspol der Batterie (auch von Zusatzbatterien) abklemmen.

Beim Abklemmen des Minuspols der Batterie verlieren alle flüchtigen elektronischen Speicher ihre eingegebenen Werte.

- Ein Nichtabklemmen des Minuspols der Batterie kann Kurzschlüsse im Bordnetz verursachen, die Kabelbrände, Batterieexplosionen und Beschädigungen anderer elektronischer Systeme auslösen können.
- Informieren Sie sich vor dem Einbau anhand der Kfz-Papiere über den Fahrzeuglyp und über eventuelle Besonderheiten und anhand von Bauplänen über die Lage von Kraftstoff-, Hydraulik-, Druckluft- und elektrischen Leitungen.
- Das Produkt bestimmungsgemäß einsetzen, nicht verändern oder manipulieren.

Die Folgen einer nicht bestimmungsgemäßen Verwendung, einer Veränderung oder Manipulation des Produktes können Personen-, Sach-, oder Umweltschäden sein oder die Sicherheit beeinflussen.

Während des Einbaues beachten:

- Auf die Sicherheitshinweise des Fahrzeugoder Anlagen-, des Motor- und Handwerkzeugherstellers achten!
- Den Einbauort so wählen, dass das Produkt und dessen Komponenten
 - Funktionen des Fahrzeuges oder der Anlage nicht beeinflussen oder behindern. durch Funktionen des Fahrzeuges oder der Anlage nicht beschädigt werden.

Nicht rauchein! Keln offenes Feuer oder Lichti

Bohrungen oder Einbauöffnung nicht in tragende oder stabilisierende Streben oder Holme anbringen!

Nach dem Einbau beachten:

- Massekabel an den Minuspol der Batterie fest anklemmen.
- Werte der flüchtigen Speicher neu eingeben/programmieren.
- Prüfen Sie alle (!) Fahrzeugfunktionen.
- Benutzen Sie zum Messen von Spannungen und Strömen im Kfz nur dafür vorgesehene Multimeter oder Diodenprüflampen. Die Benutzung herkömmlicher Früflampen kann die Beschädigung von Steuergeräten oder anderer elektronischer Systeme zur Folge haben.

Sonderfälle:

Falls notwendige Arbeiten am laufenden Motor erforderlich sind, besondere Vorsicht walten lassen. Tragen Sie nur entsprechende Arbeilskleidung, da Verletzungsgefahr durch Quetschungen und Verbrennungen besteht. Tragen sie bei langen Haaren ein Haarnetz.

Safety Instructions

The product was developed, manufactured and inspected in compliance with the basis safety requirements of the EC Directives and in accordance with the generally recognised present level of techno-

The product must only be used for service in vehicles restricted to the ground (with the exception of molorcycles) or in stationary systems.

Prior to installation of the product, please observe the following instructions:

- For proper installation of the product, basic knowledge of motor vehicle electrical and mechanical equipment is required in order to prevent damage.
- Write down all the data of volatile electronic memories.
- Remove the ignition key from the ignition lock. Then disconnect the minus pole of the battery (including the minus pole of any auxiliary batteries).

When the minus pole of the batteries are disconnected, all volatile electronic memories lose their input values.

- Fallure to disconnect the minus pole of the battery can cause short-circuits in the vehicle electrical system and then result in cable fires, battery explosions and damage to other electronic systems.
- Prior to installation of the product, refer to the motor vehicle registration documents for information on the vehicle type and any speclal equipment features and refer to the design plans for further information on the positions of fuel, hydraulic, compressed-air and electrical lines.
- Use the product as intended. Do not change or modify.

Improper use, alteration or modification of the product can result in injuries, property damage or environmental damage or have an effect on safety.

During installation of the product, please observe the following instructions:

- Observe the safety instructions of the manufacturers of the vehicle, system, motor and tools in each instance!
- Select the installation location so that the pro-



Standard-Tauchrohrgeber, Flanschlochkreis Ø 54 mm Standard Tubular Level Sensor, flange bolt circle dia. 54 mm

TU00-0772-5107120

11/04

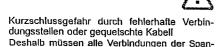
1-5

Elektrischer Anschluss

Schließen Sie die Kabel entsprechend dem elektrischen Anschlussplan an.

Falschanschlüsse können zu Kurzschlüssen füh-

Sicherheitshinweise:



nungsversorgung entweder weich verlötet oder mit verschweißbaren Stoßverbindern versehen und ausreichend isoliert sein.

Andere Verbindungen können Sie mit handelsüblichen Quetschverbindern herstellen.

Besonders auf einwandfreie Masseverbindungen achteni

Nicht benötigte Kabelenden unbedingt isolie-

Kabelquerschnitt beachten!

Eine Verringerung des Kabelquerschnittes führt zu einer höheren Stromdichte. Dies kann zu einer Erhitzung des betreffenden Kabelabschnittes führen!

- Abisolierung von Kabeln nur mit einer Abisolierzange vornehmen. Die Zange so einstellen. dass dabei keine Litze beschädigt oder getrennt
- Quetschverbindungen nur mit einer Kabelquetschzange vornehmen.
- Bei der Kabelverlegung vorhandene Kabelkanäle und Kabelstränge benutzen, jedoch nicht die Kabel parallel zu Zündkabeln oder zu Kabel, die zu großen Stromverbrauchern führen, verlegen! Fixieren Sie die Kabel mit Kabelbändern oder Klebebandt
- Achten Sie darauf, dass die Kabel keinen Zug-, Druck- oder Scherkräften ausgesetzt sind!
- Wenn die Kabel durch Bohrungen geführt werden, schützen Sie die Kabel mittels Gummitüllen oder ähnlichen Teilen.

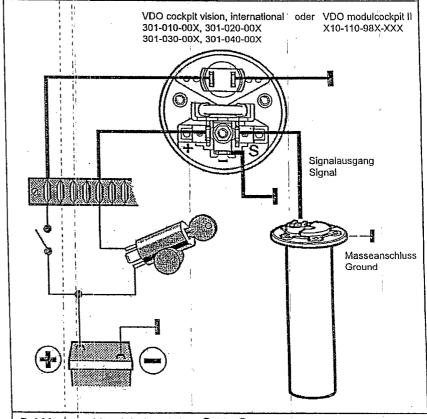
Electrical Terminal Connection

Connect the cables according to the electrical terminal connection diagram. Incorrect terminal connections can result in shortcircuits!

Safety Instructions

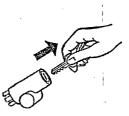


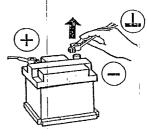
- Danger of short-circuits due to defective connecting points or pinched cables!
- All connections of the voltage supply system must therefore be soft-soldered or provided with weldable joint connectors and sufficiently insulated. You may use commercially available standard-type crimp connectors to make other connections.
- Make sure the ground connections are perfectly made!
- Insulate any cable ends that are not required!
- Take the cable cross-sectional area into accountl
- A reduction of the cable cross-sectional area will result in higher current density. The can cause overheating of the affected cable section!
- Cables must be stripped using a wire stripper only. Adjust the wire stripper to prevent any strands from being damaged or cut offl
- Crimped connections must be made using a pair of cable crimping pliers only.
- When installing the cables, use the existing cable conduits and cable harnesses, but do not install the cables parallel to the ignition cables or cables that run over to high-capacity power consumers! Fasten the cables with cable straps or adhesive tape!
- Make sure the cables are not subjected to pulling, pressing or shearing forces!
- If the cables are run through drilled holes, protect the cables by means of rubber sleeves or similar parts.



Bei Montage bitte Arbeitsschritte 1 bis 6 beachten. While mounting please pay attention to work steps **1** to **3**.







TU00-0772-5107120

REFERENCE ONLY

MONTAGEANLEITUNG / INSTALLATION INSTRUCTIONS

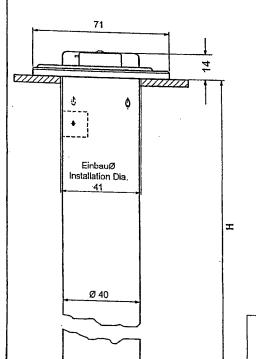
Standard-Tauchrohrgeber, Flanschlochkreis Ø 54 mm Standard Tubular Level Sensor, flange bolt circle dia. 54 mm

TU00-0772-5107120

11/04

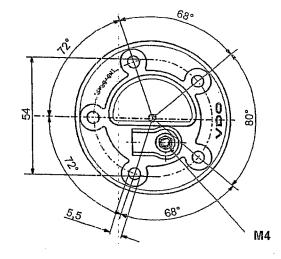
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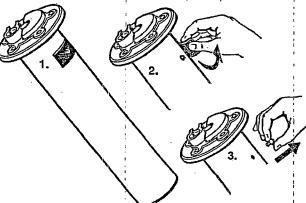


Mindestabstand (A) von Geberunterkante bis zum Tankboden: 4mm Minimum distance (A) from lower edge of sensor to tank floor: 4 mm

Geberlänge / Sensor length (H)



Vor Montage Klebeband und Stift entfernen /
Before installation, remove adhesive tape and pin.



Technische Änderungen vorbehalten - Technical details subject to change

Gebereinbauort

Eine noch herzustellende Montageöffnung im Tank an einer günstigen Stelle für die Vorratsmessung oder ein vom Tankhersteller schon vorgesehener Montageflansch oder eine schon vorgesehene Montageöffnung.

Sicherheitshinweise

Muss eine Montageöffnung hergestellt werden, ist der Tank vorher vollständig zu entleeren. Den Kraftstoff in einen zugelassenen Behälter füllen. Wenn möglich den Tank ausbauen. Bei Arbeiten unter dem Fahrzeug die Sicherheitshinweise des Fahrzeugherstellers beachten.

Achtung: Durch Restgase im Tank besteht Explosionsgefahrl Den Tank mit einem Gebläse gut-durchlüften (ca. 10 Minuten). Montageöffnung mit Bohrer vorbohren und mit Loch- oder Stichsäge fertigstellen. Auf die Sicherheitshinweise des Handwerkzeugherstellers achten. Tank von Bohr- und Sägerückständen reinigen.

Sensor installation location

An installation opening remaining to be made in the tank at a suitable point for supply level measurement or at an installation flange or installation opening already provided by the tank manufacturer.

Safety instruction

If an installation opening must be made, the tank must be completely drained first. Fill the fuel into an approved container, remove the tank whenever possible.

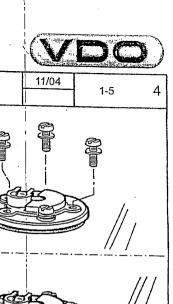
Comply with the safety instructions of the vehicle manufacturer for any work performed under the vehicle.

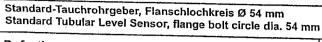
Caution: Risk of explosion exists due to presence of residual gases in the tank! Make sure that the tank is aired sufficiently (approx. 10 minutes).

Make a preliminary hole in the installation opening using a drill and then finish the hole using a compass saw or piercing saw. Comply with the safety instruction of the tool manufacturer. Clean the tank of residue from the drilling or sawing work.

REFERENCE ONLY

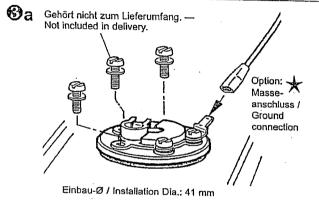
MONTAGEANLEITUNG / INSTALLATION INSTRUCTIONS

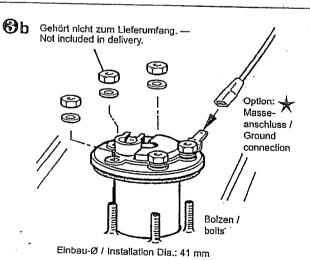


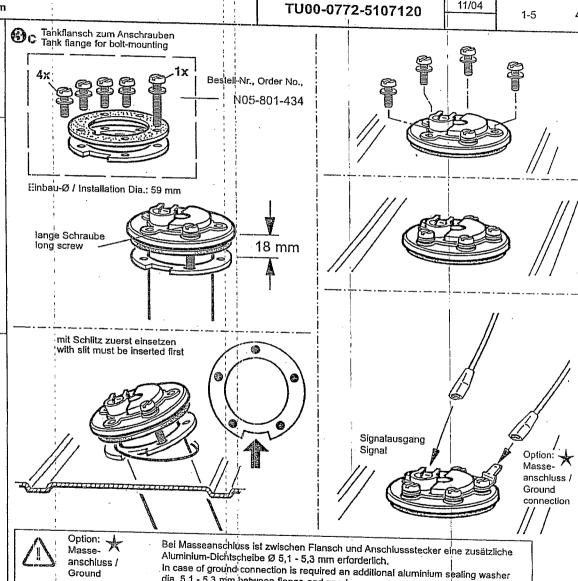


Befestigungsart / Type of mounting:

- mit 5 Schrauben / with 5 screws
- €b mit 5 Bolzen / with 5 bolts
- mit Befestigungsring / with mounting ring
- mit Schweißflansch / with welding flange







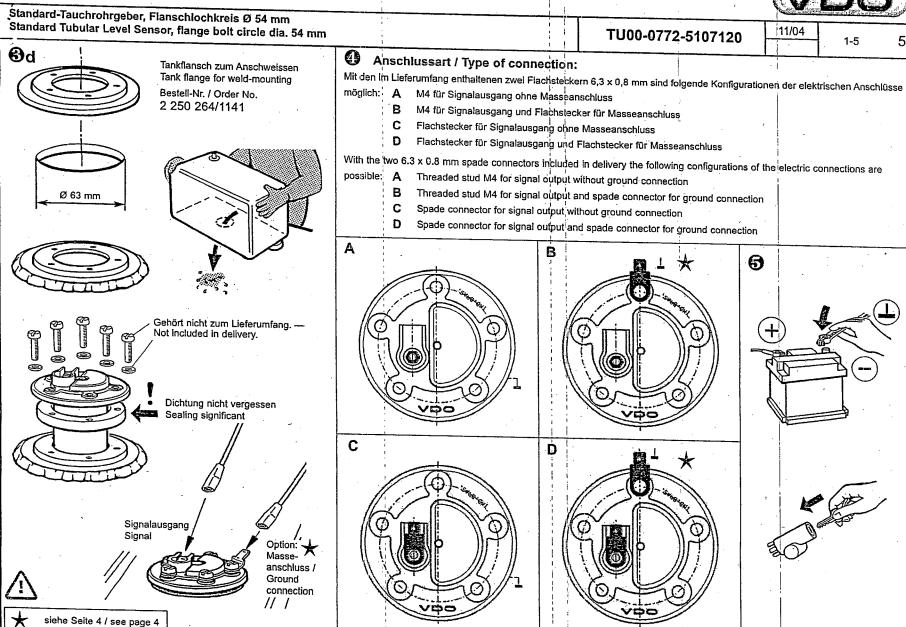
Ground dia. 5.1 - 5.3 mm between flange and spade connector. connection Technische Änderungen vorbehalten - Technical detalls subject to change

TU00-0772-5107120

REFERENCE ONLY

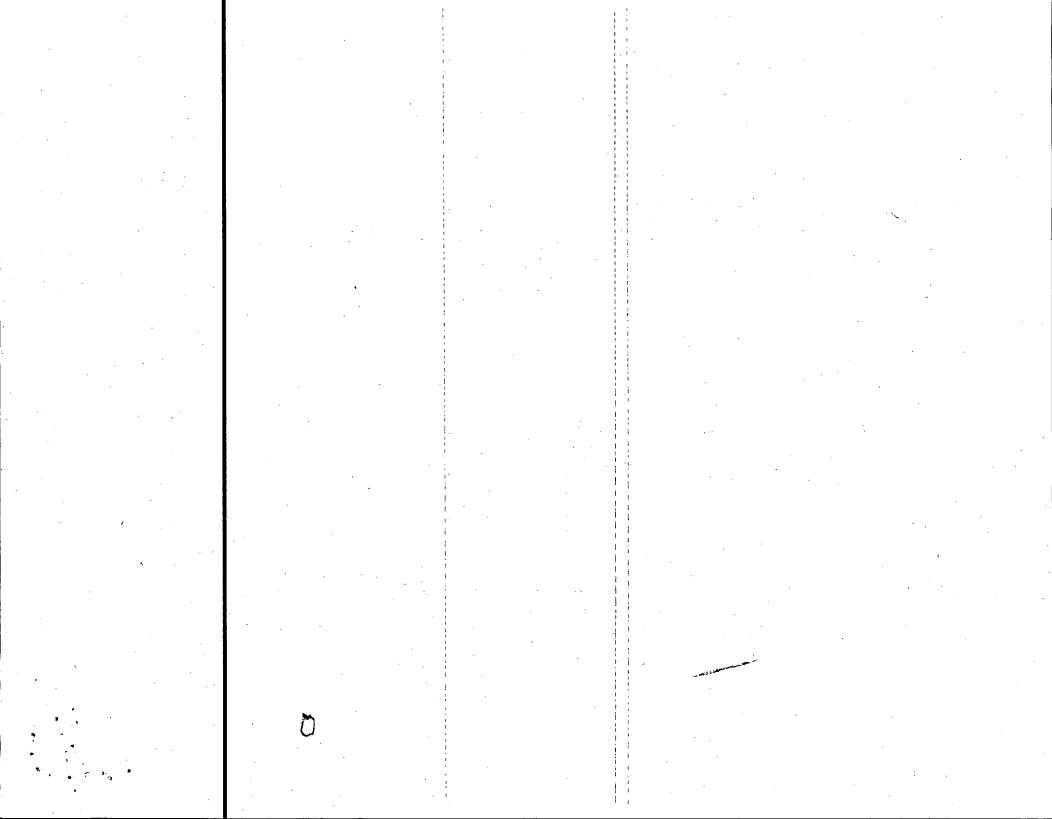
MONTAGEANLEITUNG / INSTALLATION INSTRUCTIONS





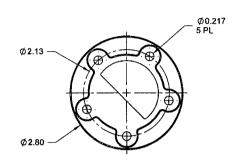
Technische Anderungen vorbehalten - Technical details subject to change

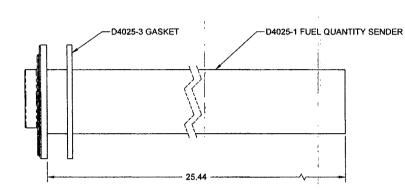
TU00-0772-5107120



 DÁRT AEROSPACE
 PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4025-1 VDO-M47-JCA D4025-3 N/A

SPECIFICATION CONTROL DRAWING





	DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	LOWER RESISTANCE i LIMIT	UPPER RESISTANCE LIMIT	MATERIAL
	D4025-1	FUEL QUANTITY SENDER	VDO SIEMENS	224-265	FORSTER INSTRUMENTS	82.2 ± 1.8 OHMS	1.0 ± 0.4 OHMS	N/A
Г	D4025-3	GASKET	VDO SIEMENS	226-053	FORSTER INSTRUMENTS	: N/A	N/A	RUBBER

RECIEVING INSPECTION REQUIREMENTS:
1) REMOVE TRANSPORT PIN AND INSPECT FOR VISUAL DAMAGE
2) OVERALL CYLINDER LENGTH - 25.44
3) HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE READING FOR LOWER LIMIT
4) ROTATE 180° AND MEASURE RESISTANCE FOR UPPER LIMIT

NOTES:	
NOTES: 1) MATERIAL: N/A	
2) FINISH: N/A	

2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4025-X" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 04025-1 - 0.38 lbs

D4025-3 - 0.01 lbs

Α	NEW ISS	UE		45	10.02.05			
REV.	1		DESCRIPTION	BY	DATE			
DESIG	N	15	DART AEROS	DART AEROSPACE LTD				
DRAW	N	35	HAWKESBURY, ONTARIO, CANADA					
CHECKED		B	DRAWING NO.		REV. A			
MFG. A	MFG. APPR.		D4025		SHEET 1 OF 1			
APPRO	VED	140	TITLE		SCALE			
DE APPR.			FUEL SENDER	:	NTS			
DATE 10.02.05			THIS DOCUMENT IS PRIVATE AND CONFIDERITM. AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OF COMED OR COMMANDATE TO SO, OTHER PRESSOR WITHOUT					

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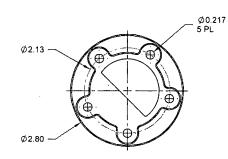
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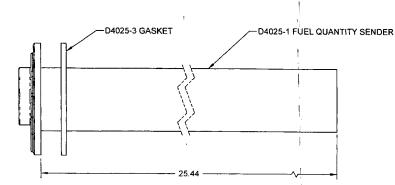
DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4025-1 VDO-M47-JCA D4025-3 N/A

8

SPECIFICATION CONTROL DRAWING

3





DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	LOWER RESISTANCE LIMIT	UPPER RESISTANCE LIMIT	MATERIAL
D4025-1	FUEL QUANTITY SENDER	VDO SIEMENS	224-265	FORSTER INSTRUMENTS	82.2 ± 1.8 OHMS	1.0 ± 0.4 OHMS	N/A
D4025-3	GASKET	VDO SIEMENS	226-053	FORSTER INSTRUMENTS	N/A	N/A	RUBBER

RECIEVING INSPECTION REQUIREMENTS:

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2) OVERALL CYLINDER LENGTH - 25.44

3) HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE READING FOR LOWER LIMIT

4) ROTATE 180° AND MEASURE RESISTANCE FOR UPPER LIMIT

Α	NEW ISSUE	=			45	10.02.05			
REV.			DESCRIP	TION	BY	DATE			
DESIGN DRAWN				DART AERO HAWKESBURY, O					
CHECKE	D	B		NG NO.		REV. A			
MFG. AF	PR.	E	D40	25	SHEET 1 C				
APPRO\	/ED	14	TITLE			SCALE			
DE APP	R.	-#	FUE	L SENDER		NTS			
DATE 10.02.05			THIS DOOL	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT OF PRIVATE AND CONFERENCE, AND IS EMPIRED ON THE EXPRESS CONDITION THAT IT IS					

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
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5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
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7) WEIGHT: D4025-1 - 0.38 lbs
D4025-2 - 0.01 lbs

D4025-3 - 0.01 lbs

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5

Dart Aerospace Ltd WORK ORDER CHANGES W/O: Approval **Approval** DATE STEP PROCEDURE CHANGE By Date Qty Chief Eng / QC Inspector Prod Mar Part No: ______ PAR #: _____ Fault Category: ______ NCR: Yes No DQA: ____ Date: ____ Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval STEP** DATE Sign & **Action Description** Initial Section A Section C Chief Eng QC Inspector Date Chief Eng Chief Eng

NOTE: Date & initial all en ries